

## Akcijaska ponuda na NPH-V7-S i NPT-V7-S split sisteme toplotnih pumpi

### NPH-V7-S

Split toplotne pumpe sa unutarnjom hydrobox jedinicom



### NPT-V7-S

Split toplotne pumpe sa unutarnjom jedinicom tank hydrobox+tank sanitarne vode 250 litara



## Cjene sa popustom

### NPH-V7-S

Nordic Plus: Hydrobox AW split & vanjska jedinica NPH (DC Inverter toplotna pumpa zrak/voda R32)			Cjene su u KM sa plaćenim PDV-om		
Split verzija (plin povezivanje R410A)			Cjena po dijelovima	Ukupna cijena	kW A7/W35
Broj artikla	Model	Naziv			
120270	NPH6-V7-S	Nordic Plus Hydrobox 6 kW AW split unutrašnja jedinica	2.939,90	<del>6.203,70</del>	6,21 kW
120273	NP6-V7-S	Nordic Plus 6 kW AW split vanjska jedinica	3.264,70	4.733,95	
120274	NPH9/11-V7-S	Nordic Plus Hydrobox 9/11 kW AW split unutrašnja jedinica	2.939,90	<del>6.977,00</del>	10,10 kW
120277	NP9-V7-S	Nordic Plus 9 kW AW split vanjska jedinica	4.038,00	5.393,30	
120274	NPH9/11-V7-S	Nordic Plus Hydrobox 9/11 kW AW split unutrašnja jedinica	2.939,90	<del>7.319,35</del>	11,5 kW
120278	NP11-V7-S	Nordic Plus 11 kW AW split vanjska jedinica	4.379,45	5.683,60	
120279	NPH13-V7-S	Nordic Plus Hydrobox 13 kW AW split unutrašnja jedinica	3.102,00	<del>8.704,95</del>	12,6 kW
120282	NP13-V7-S	Nordic Plus 13 kW AW split vanjska jedinica	5.602,95	6.862,745	

### NPT-V7-S

Nordic Plus: Tank AW split & vanjska jedinica NPT (DC Inverter toplotna pumpa zrak/voda R32)			Cjene su u KM sa plaćenim PDV-om		
Split verzija (plin povezivanje R410A)			Cjena po dijelovima	Ukupna cijena	kW A7/W35
Broj artikla	Model	Naziv			
120271	NPT6-V7-S	Nordic Plus Tank 6 kW AW split unutrašnja jedinica	6.769,95	<del>10.034,65</del>	6,21 kW
120273	NP6-V7-S	Nordic Plus 6 kW AW split vanjska jedinica	3.264,70	7.995,454	
120275	NPT9/11-V7-S	Nordic Plus Tank 9/11 kW AW split unutrašnja jedinica	6.769,95	<del>10.807,95</del>	10,10 kW
120277	NP9-V7-S	Nordic Plus 9 kW AW split vanjska jedinica	4.038,00	8.655,70	
120275	NPT9/11-V7-S	Nordic Plus Tank 9/11 kW AW split unutrašnja jedinica	6.769,95	<del>11.149,40</del>	11,5 kW
120278	NP11-V7-S	Nordic Plus 11 kW AW split vanjska jedinica	4.379,45	8.945,05	

# ES V7-S Air/Water heat pumps



Nordic Plus V7-S – 6, 9, 11 and 13 kW  
with 250 liter water tank

## Economic and effective air-to-water heat pump, designed for a Nordic climate

- User-friendly touch display
- Built in Wi-Fi enables controlling and monitoring of the heat pump from computer or Smart Device
- Two different temperature zone setting
- Automatic restart in case of power failure
- 6, 9, 11 and 13kW heating capacity
- Operates in conditions down to  $-25^{\circ}\text{C}$
- Low investment – short payback time
- Nano-coated evaporator



**New user-friendly touch screen interface**  
The interface enables quick adjustment of all temperature settings directly from the front page. The software also supports variable temperature settings (curve) for both heating and cooling.



A+++



5 years  
COMPRESSOR  
WARRANTY



# ES V7-S Air/Water heat pumps



## NPT V7-S – 6, 9, 11 and 13 kW, split

### Converts energy from the outdoor air to heating, cooling and domestic hot water

By utilising the energy from outdoor air, you can reduce your energy bills in an eco-friendly way, and at the same time creating the perfect level of comfort for your home. NPT V7 is designed to replace an existing heat source or for new installations. The indoor unit has a stylish design to fit into a modern home. All connections are easily accessible at the top of the unit.

### Designed to provide maximum energy savings and quiet operation

By using components from leading suppliers (see table below) and smart control, great energy savings and quiet operation are made possible. All NPT-V7-S series are rated A++/+++.

### Designed for a Nordic climate

NPT V7-S is a split system which means that the heat exchange with the buildings heating system takes place indoors and only the refrigerant circulates outdoors. This is an

effective and reliable solution in a cold climate.

The automatic and self-learning defrost function, combined with the nano-coated evaporator, reduces defrosting time to a minimum and increases the efficiency.

### Control your heating system

NPT V7-S can be controlled locally or remotely thru Computer or Smart Device. Make all the necessary settings for an efficient, trouble-free operation with the new user-friendly touch display. Even when you are not at home you have full control of your heating system thru your Computer or Smart Device.

### Two zone heating and cooling curves

NPT V7-S uses a variable water temperature setting (heat curve) to provide a constant indoor temperature, regardless of the outdoor temperature. When the outdoor temperature drops, the heat pump raises the temperature of the water to the heating system and vice versa when the outdoor temperature rises.

This functionality is also available for cooling operation. Different heating systems require different temperatures, e.g. floor heating and

radiators. The NPT V7-S have the possibility to set two separate heating curves if you have combination of high and low temperature heating system or different temperature zones in your home. All the necessary temperature sensors are included in the package. The heating curve can operate up to 75 degrees set temperature (requires additional high temperature source).

### 250 liter hot water tank

The integrated tank for domestic hot water heating is 250 liter and heated by the heat pump. If the temperature drops, the heat pump changes the operating status and starts the production of hot water. If additional power is required, the integrated electric heaters will be used as back-up.

### Expansion vessel and back up

NPT V7-S has 12 liters built in expansion vessel and built in electric heater. The electric heater is controlled by the heat pump and kicks in automatically if heat pump capacity is too small in the coldest days. The backup signal can also be used to control other heating sources, like gas boilers, oil burners, etc.

			NPT6-V7-S	NPT9-V7-S	NPT11-V7-S	NPT13-V7-S
Min/max heating capacity (1)	kW		2,19 / 6,21	4,33 / 10,10	4,67 / 11,5	4,2 / 12,6
El. Heating power input min/max (1)	W		540 / 1530	975 / 2153	915 / 3029	926 / 3072
C.O.P min/max (1)	W/W		4,05 / 5,87	4,02 / 4,65	3,82 / 5,05	3,89 / 4,77
Min/max heating capacity (2)	kW		2,05 / 5,8	4,19 / 9,53	4,14 / 10,7	3,76 / 11,5
Heating power input min/max (2)	W		640 / 1810	1230 / 2990	1218 / 3624	1267 / 3723
C.O.P min/max (2)	W/W		3,22 / 4,12	3,12 / 3,55	2,95 / 3,56	2,97 / 3,28
SCOP - Average climate, low temperature	W		4,47	3,99	3,92	3,90
Energy class			A+++	A++	A++	A++
Defrost upon demand			Yes	Yes	Yes	Yes
Heating cable for defrosting			Yes	Yes	Yes	Yes
Compressor pre-heat			Yes	Yes	Yes	Yes
Electronic expansion valve			Yes	Yes	Yes	Yes
ErP approved circulation pump			Yes, Grundfos	Yes, Grundfos	Yes, Grundfos	Yes, Grundfos
Compressor			Mitsubishi		Panasonic	
Fan	Manufacturer			Nidec		
	Quantity	pcs	1	1	1	2
	Airflow	m³/h	2700	3000	3100	4200
Sound pressure level	Rated power	W	65	76	76	150
	Indoor/outdoor	dB (A)	47 / 57	43 / 58	45 / 58	46 / 59
Plate heat exchanger	Manufacturer			SWEP		
	Water press. drop	kPa	20	23	23	26
	Piping connection	Inch			G1"	
Minimum water flow	m³/h		0,9	1,4	1,4	2,2
Residual current device and overvoltage protection				Required		
Power supply, grounded	V / Hz / A			400V/3N/3PH/50Hz/16A/C or 230V/3PH/50Hz/25A/C		
Electric heater, domestic hot water	kW		0,5	0,5	0,5	0,5
Electric heater, heating system (emergency operation)	kW		2x3 (9)	2x3 (9)	2x3 (9)	2x3 (9)
Refrigerant				R410a		
Dimensions (W x H x D)	Outdoor unit	mm	920 x 730 X 353	947 x 755 x 355	1057 x 765 x 414	1154 x 1195 x 460
	Indoor unit	mm		600 x 1780 x 680		
Net weight	Outdoor unit	kg	52,6	67,5	70	118
	Indoor unit	kg	125	130	130	125
Article number indoor/outdoor			120271 / 120273	120275 / 120277	120275 / 120278	120280 / 120282

(1) Heating condition: water inlet/outlet temperature: 30 °C/35°C, Ambient temperature: DB 7 °C /WB 6 °C  
 (2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7 °C /WB 6 °C

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## ES V7 Air/Water heat pumps

Nordic Plus V7 – 6, 9, 11 and 13 kW  
for hybrid systems

### Economic and effective air-to-water heat pump, designed for a Nordic climat

- User-friendly touch display
- Built in WiFi, enables control and monitoring the heat pump from computer or mobile phone
- Two different temperature zone setting
- Automatic restart in case of a power failure
- 6, 9, 11 and 13 kW heating power
- Operates in conditions down to  $-30^{\circ}\text{C}$
- Low investment – short payback time
- Nano-coated evaporator
- Dockable solution for hybrid systems



#### New user-friendly touch screen interface

The interface enables quick adjustment of all temperature settings directly from the front page. The software also supports variable temperature settings (curve) for both heating and cooling.



# ES V7 Air/Water heat pumps

NPH V7 – 6, 9, 11 and 13 kW, split

## Converts energy from the outdoor air to heating, cooling and domestic hot water

By utilising the energy from outdoor air, you can reduce your energy bills in an eco-friendly way, and at the same time creating the perfect level of comfort for your home. NPH V7 is designed to replace or supplement an existing heat source or for new installations. The indoor unit has a stylish design to fit into a modern home. All refrigerant and electric connections on upper side, and water connections on the underside.

## Designed to provide maximum energy savings and quiet operation

By using components from leading suppliers (see table below) and smart control, great energy savings and quiet operation are made possible. All NPH-V7 series are rated A++/+++.

## Designed for a Nordic climate

NPH V7 is a split system which means that the heat exchange with the buildings heat-

ing system takes place indoors and only the refrigerant circulates outdoors. This is an effective and reliable solution in a cold climate. The automatic and self-learning defrost function, combined with the nano-coated evaporator, reduces defrosting time to a minimum and increases the efficiency.

## Control your heating system

NPH V7 can be controlled locally or remotely thru smartphone or computer. Make all the necessary settings for an efficient, trouble-free operation with the new user-friendly touch display. Even when you are not at home you have full control of your heating system thru your smartphone or computer.

## Two zone heating and cooling curves

NPH V7 uses a variable water temperature setting (heat curve) to provide a constant indoor temperature, regardless of the outdoor temperature. When the outdoor temperature drops, the heat pump raises the temperature of the water to the heating system and vice versa when the outdoor temperature rises.

This functionality is also available for cooling operation.

Different heating systems require different temperatures, eg floor heating and radiators. The NPH V7 have the possibility to set two separate heating curves if you have combination of high and low temperature heating system or different temperature zones in your home. The heating curve can operate up to 75 degrees set temperature (requires additional high temperature source).

## Upgrade your system with NPH V7

All, correct dimensioned, heat pump systems need back-up during the coldest days. NPH V7 is designed to operate in hybrid systems, together with all kinds of heating systems. If your existing boiler works – keep it as back-up.

		NPH 6kW-V7	NPH 9kW-V7	NPH 11kW-V7	NPH 13kW-V7	
Min/max heating capacity (1)	kW	2,19 / 6,21	4,33 / 10,10	4,67 / 11,5	4,2 / 12,6	
EHeating power input min/max (1)	W	540 / 1530	975 / 2153	915 / 3029	926 / 3072	
COP min/max (1)	W/W	4,05 / 5,87	4,02 / 4,65	3,82 / 5,05	3,89 / 4,77	
Min/max heating capacity (2)	kW	2,05 / 5,8	4,19 / 9,53	4,14 / 10,7	3,76 / 11,5	
Heating power input min/max (2)	W	640 / 1810	1230 / 2990	1218 / 3624	1267 / 3723	
COP min/max (2)	W/W	3,22 / 4,12	3,12 / 3,55	2,95 / 3,56	2,97 / 3,28	
SCOP - Average climate, low temperature	W	4,47	3,99	3,92	3,9	
Energy class		A+++	A++	A++	A++	
Defrost upon demand		Yes	Yes	Yes	Yes	
Heating cable for defrosting		Yes	Yes	Yes	Yes	
Compressor pre-heat		Yes	Yes	Yes	Yes	
Electronic expansion valve		Yes	Yes	Yes	Yes	
ErP approved circulation pump		Yes, Grundfos	Yes, Grundfos	Yes, Grundfos	Yes, Grundfos	
Compressor		Mitsubishi		Panasonic		
Fan	Manufacturer			Nidec		
	Quantity	pcs	1	1	2	
	Airflow	m <sup>3</sup> /h	2700	3000	3100	4200
	Rated power	W	65	76	76	150
Sound pressure level	Indoor/outdoor	dB (A)	35 / 52	35 / 56	30 / 56	30 / 59
	Manufacturer			SWEP		
Plate heat exchanger	Water press. drop	kPa	20	23	23	26
	Piping connection	Inch			G1"	
Minimum water flow	m <sup>3</sup> /h	0,9	1,4	1,4	2,2	
Residual current device and overvoltage protection				Required		
Power supply, grounded	V / Hz / A			400V/3PH/50Hz/16A/C or 230V/3PH/50Hz/25A/C		
Refrigerant				R410a		
Dimensions (L x D x H)	Outdoor unit	mm	934 x 354 x 753	1044 x 414 x 763	1124 x 460 x 1195	
	Indoor unit	mm		380 x 273 x 580		
Net weight	Outdoor unit	kg	62,5	62,5	65	112
	Indoor unit	kg		45		
Articel number package		130113	130114	130115	130116	
Article number indoor/outdoor		120270/120273	120274/120277	120274/120278	120279/120282	

(1) Heating condition: water inlet/outlet temperature: 30 °C/35°C, Ambient temperature: DB 7 °C /WB 6 °C

(2) Heating condition: water inlet/outlet temperature: 40°C/45°C, Ambient temperature: DB 7 °C /WB 6 °C

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 **ES ENERGY SAVE**